

We Claim:

1. A machine for folding and applying inserts onto goods comprising:
 - a feeder for dispensing a continuous roll portion from a roll of inserts;
 - a transverse cutter assembly constructed and arranged to cut insert segments from the continuous roll portion, each insert segment including a pair of side-by-side inserts;
 - a buckle folder constructed and arranged to receive each cut insert segment from the continuous roll portion and fold the segment along at least one transverse fold line so as to establish a pair of folded side-by-side inserts;
 - a longitudinal cutter constructed and arranged to longitudinally cut each folded segment so as to establish a pair of cut-apart side-by-side inserts;
 - a transport system serially receiving the folded, cut-apart inserts and moving the inserts along diverging paths;
 - a pair of spaced apart lug belt conveyors constructed and arranged to receive inserts from the diverging paths of the transport system;
 - each lug belt conveyor including spaced apart transverse lugs along the length thereof against which the inserts are positioned; and
 - a pair of spaced apart applicators arranged to transfer the inserts from the lug belt conveyors onto spaced apart goods traveling past the applicators.
2. A machine as in claim 1 including a glue device for applying glue to each insert prior to transfer of the inserts onto the goods.
3. A machine as in claim 1 including a glue device for applying glue to the goods prior to transfer of the inserts onto the goods.

4. A machine as in claim 1 including a pair of suction rails associated with each lug belt conveyor for holding the onserts on the rails with the lugs between the rails and engaging the onserts for movement thereof in a downstream direction.

5. A machine for folding and applying onserts onto goods comprising:
a feeder for dispensing a continuous portion from a supply of onserts;
a transverse cutter assembly constructed and arranged to cut onsert segments from the continuous portion, each onsert segment including a pair of side-by-side onserts;

a buckle folder constructed and arranged to receive each cut onsert segment from the continuous portion and fold the segment along at least one transverse fold line so as to establish a pair of folded side-by-side onserts;

a longitudinal cutter constructed and arranged to longitudinally cut each folded segment so as to establish one pair of cut-apart side-by-side onserts;

a transport system serially receiving the folded, cut-apart onserts and moving the onserts along diverging paths;

conveyors constructed and arranged to receive onserts from the diverging paths of the transport system; and

applicators constructed and arranged to transfer the onserts from the conveyors onto goods traveling past the applicator wheels.

6. A lug belt conveyor for receiving folded onserts and delivering the onserts to spaced apart traveling goods comprising:

an endless conveyor belt;
spaced apart transverse lugs on the belt;

suction rails associated with a portion of the belt including suction openings adjacent the belt for drawing folded onserts onto the rails with the lugs between the rails engaging the onserts; and

an onsert applicator for receiving spaced apart onserts from the conveyor belt and applying the onserts onto goods.

7. A machine for folding and applying onserts onto goods comprising:

a feeder for dispensing onserts from a continuous roll of onserts;

a cutter and folder assembly, the output of which comprises individual folded onsert in side-by-side relationship to one another;

a transport system serially receiving the individual folded onserts and moving the onserts along diverging paths;

a pair of spaced apart lug belt conveyors constructed and arranged to receive onserts from the diverging paths of the transport system;

each lug belt conveyor including spaced apart transverse lugs along the length thereof against which the onserts are positioned; and

a pair of spaced apart applicators constructed and arranged to transfer the onserts from the lug belt conveyors onto spaced apart goods traveling past the applicators.

8. A method of folding onserts and applying the folded onserts onto goods comprising the steps of:

feeding onserts from a continuous roll of onserts;

cutting onserts from the continuous roll;

folding the onserts along at least one fold line;

conveying the inserts along dual paths; and

applying the folded inserts to goods traveling along dual paths.

9. A method of folding inserts and applying the folded inserts onto goods as in claim 8 wherein the step of cutting inserts from the continuous roll includes cutting insert segments from the continuous roll, each insert segment including a pair of side-by-side inserts.

10. A method of applying inserts to goods comprising the steps of:

dispensing a continuous ribbon of side-by-side inserts;

repetitively severing the dispensed continuous ribbon into discrete ribbon segments comprising side-by-side inserts;

simultaneously folding the side-by-side inserts of each discrete ribbon segment into a predetermined folded condition by passing the discrete ribbon segments through a buckle folder;

severing the folded side-by-side inserts of each discrete ribbon segment apart from one-another; and

concertedly feeding said folded, severed-apart inserts and the goods through an applicator.